

FIG. 1
(PRIOR ART)

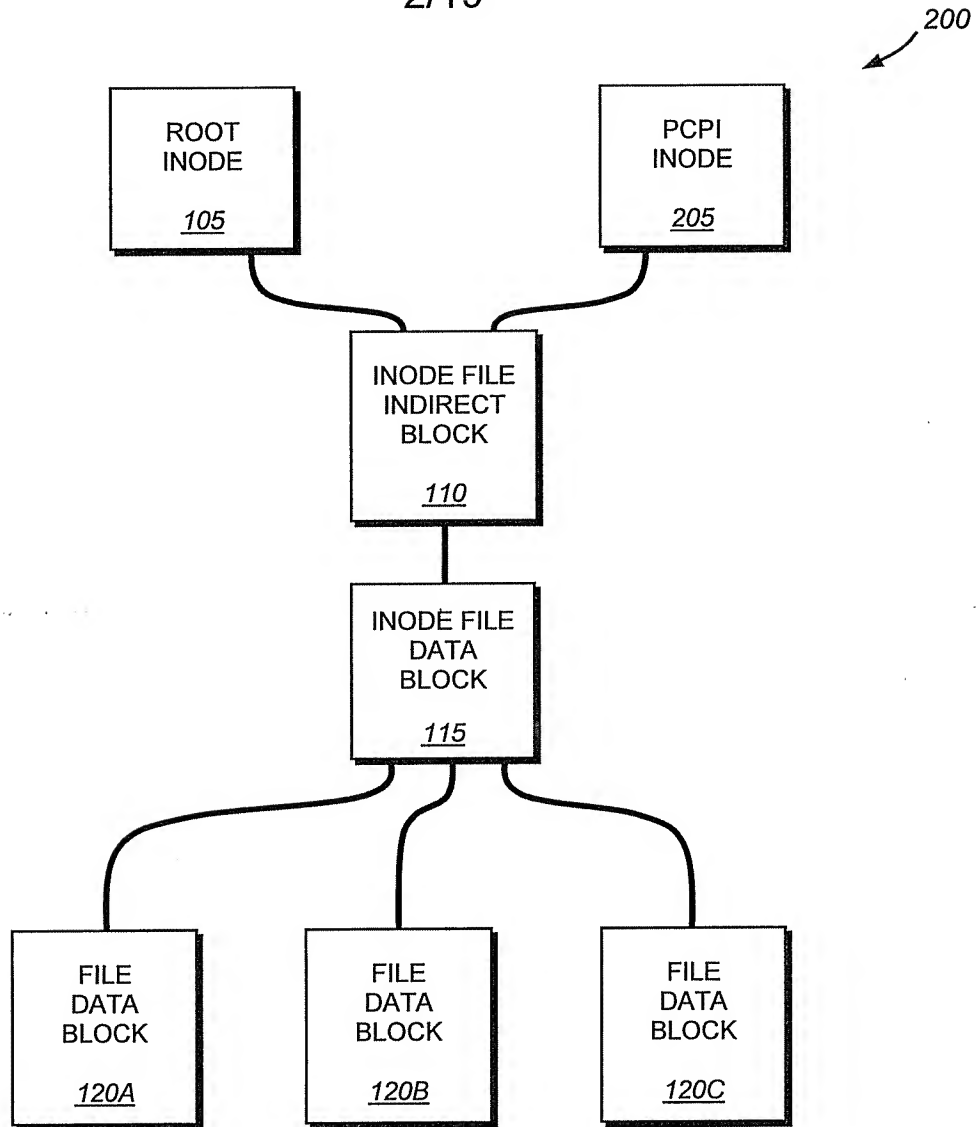


FIG. 2
(PRIOR ART)

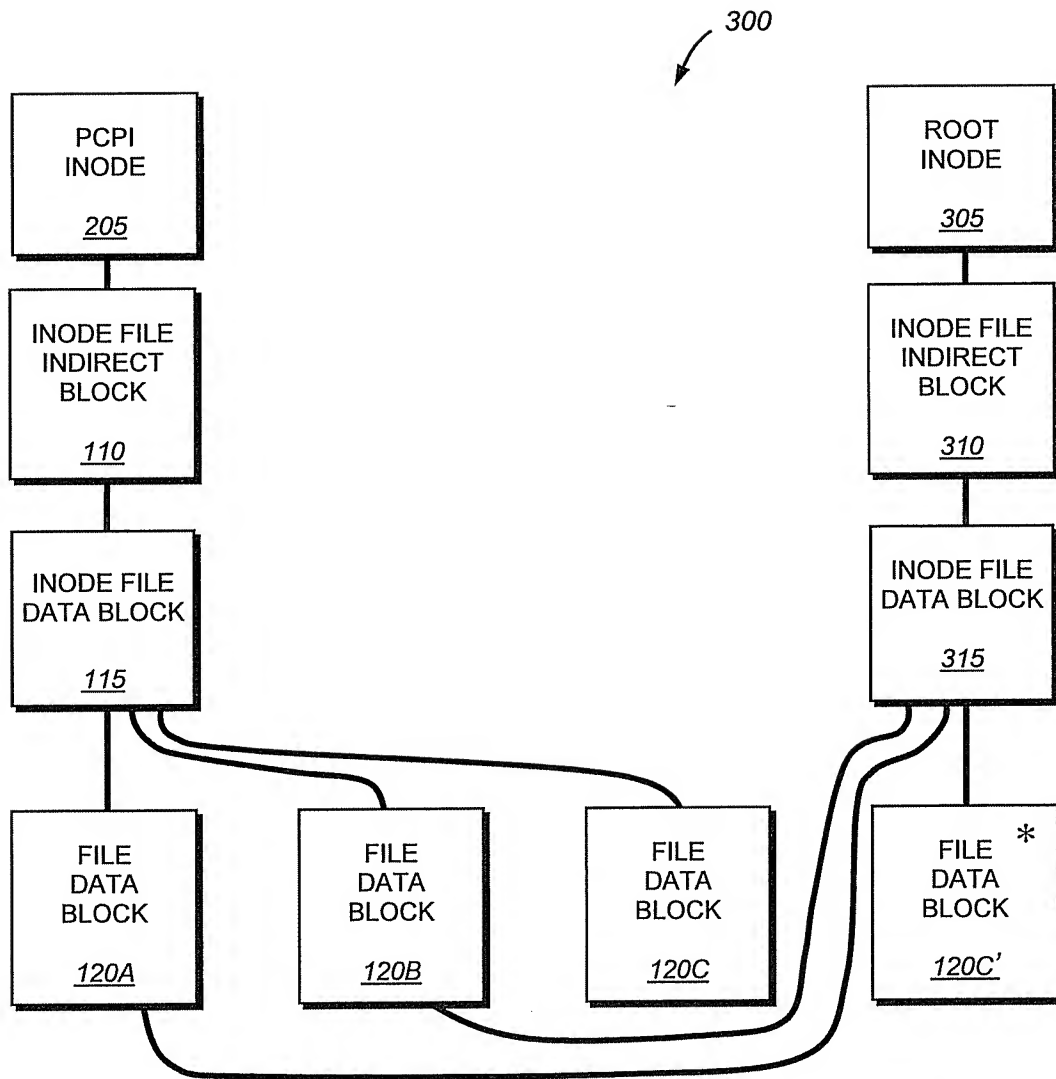


FIG. 3
(PRIOR ART)

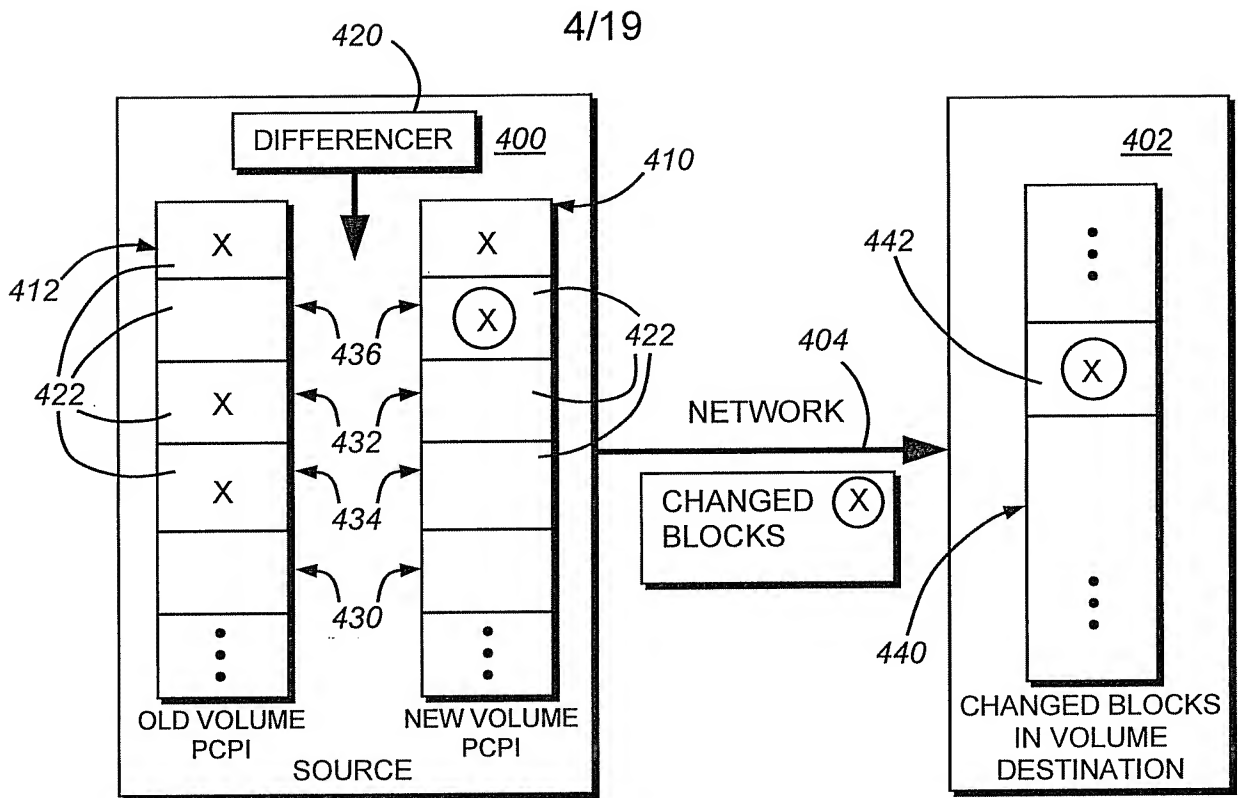


FIG. 4
(PRIOR ART)

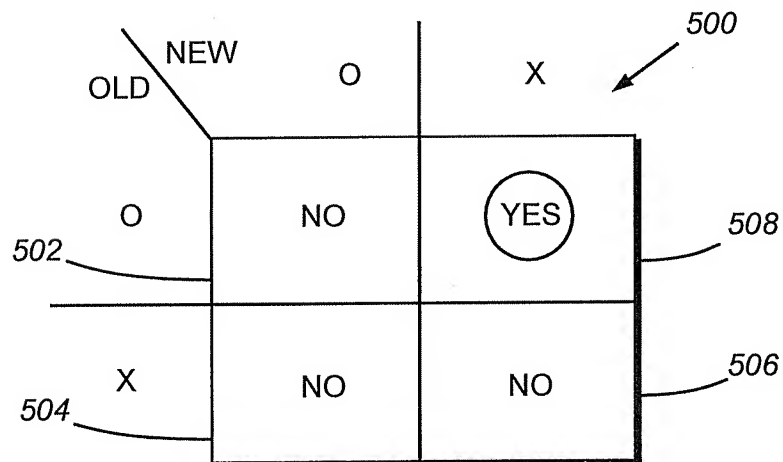


FIG. 5
(PRIOR ART)

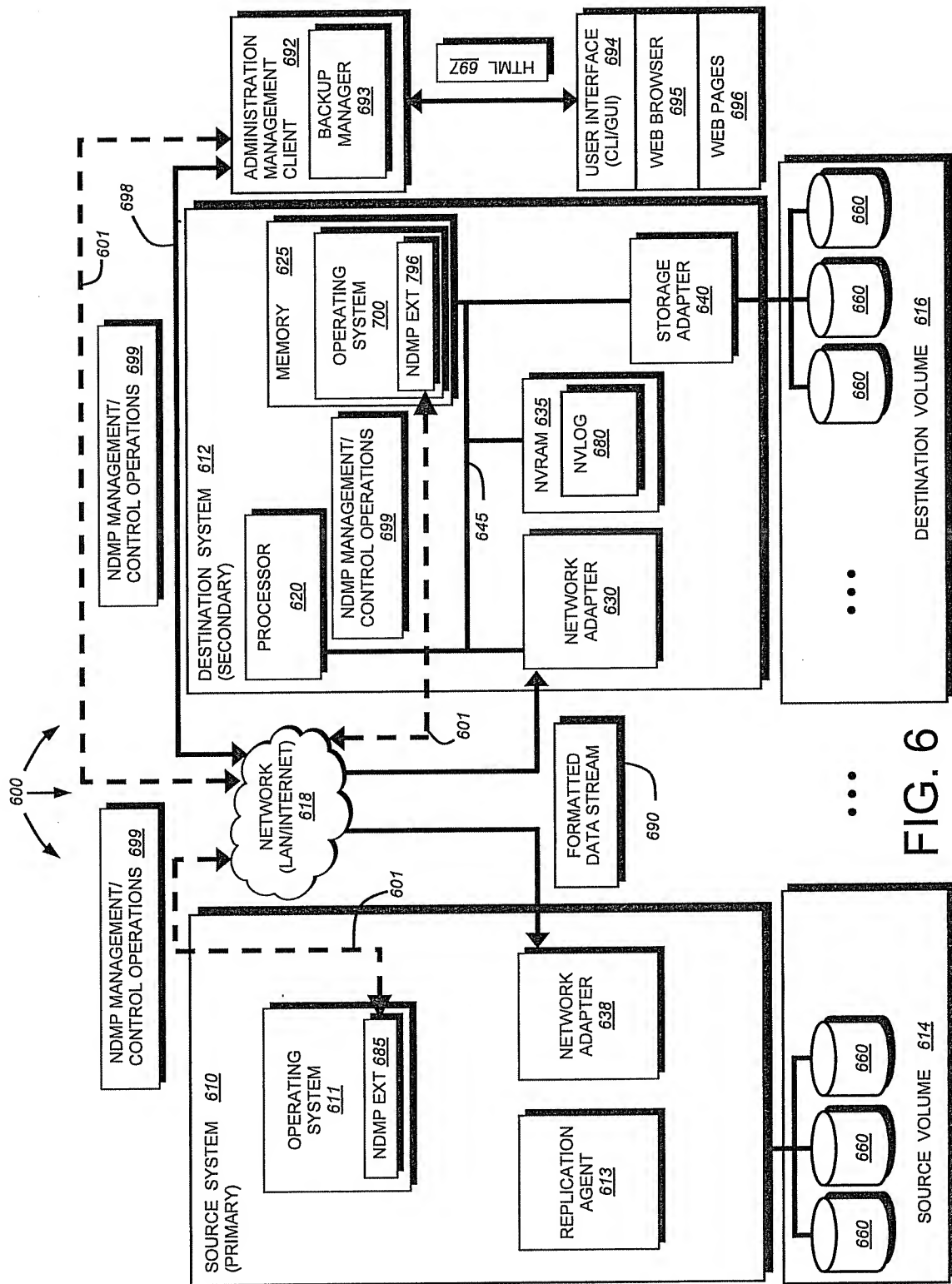


FIG. 6

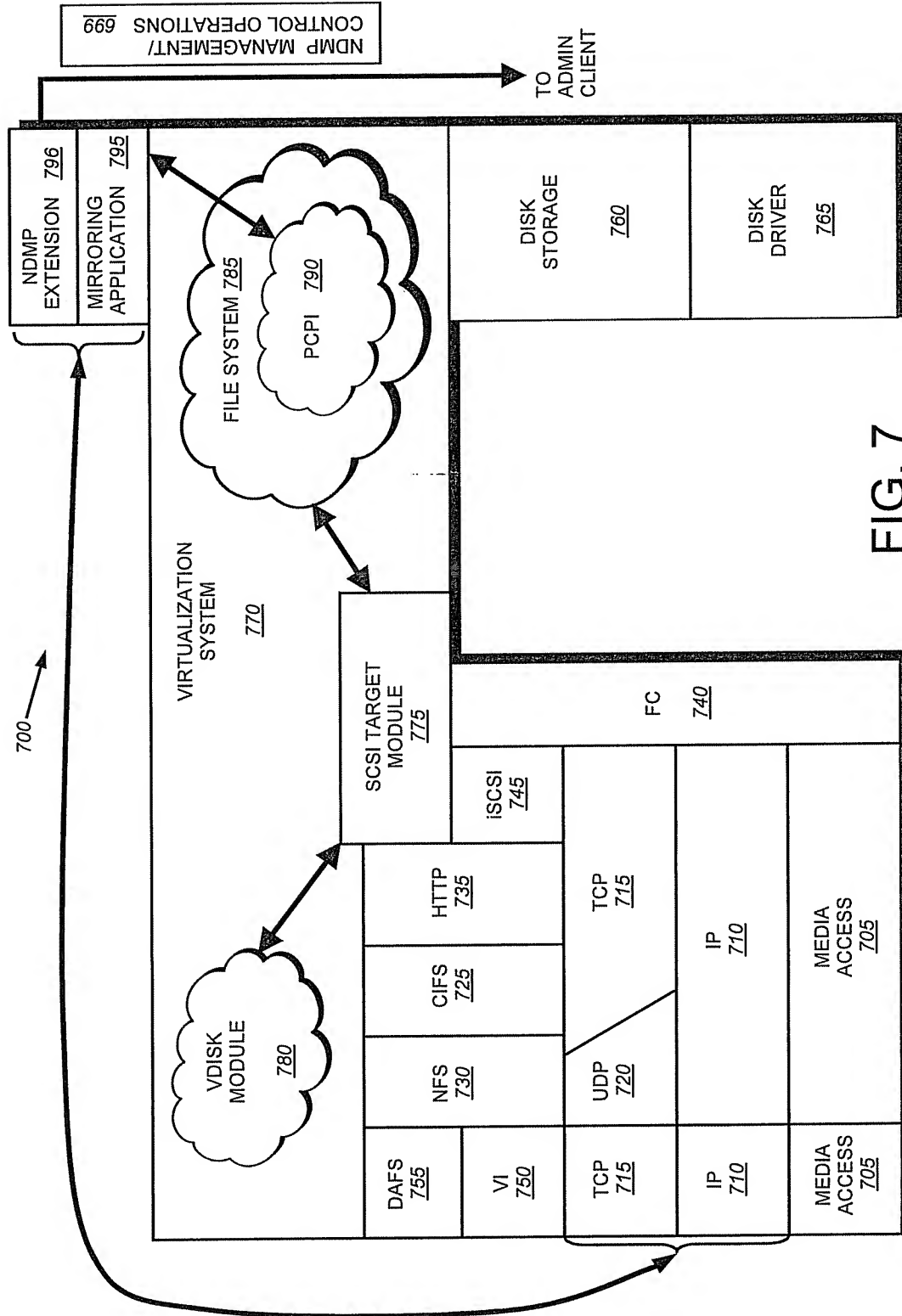


FIG. 7

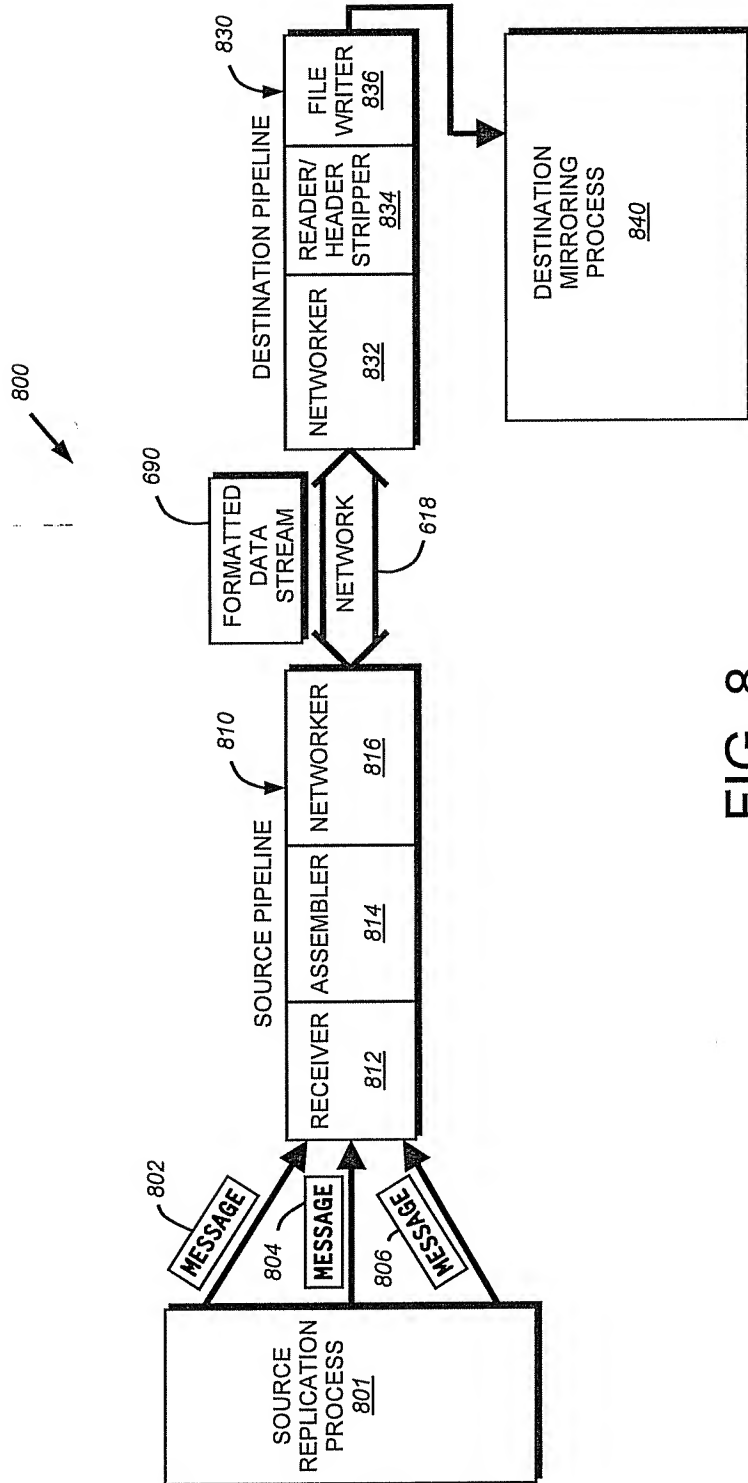


FIG. 8

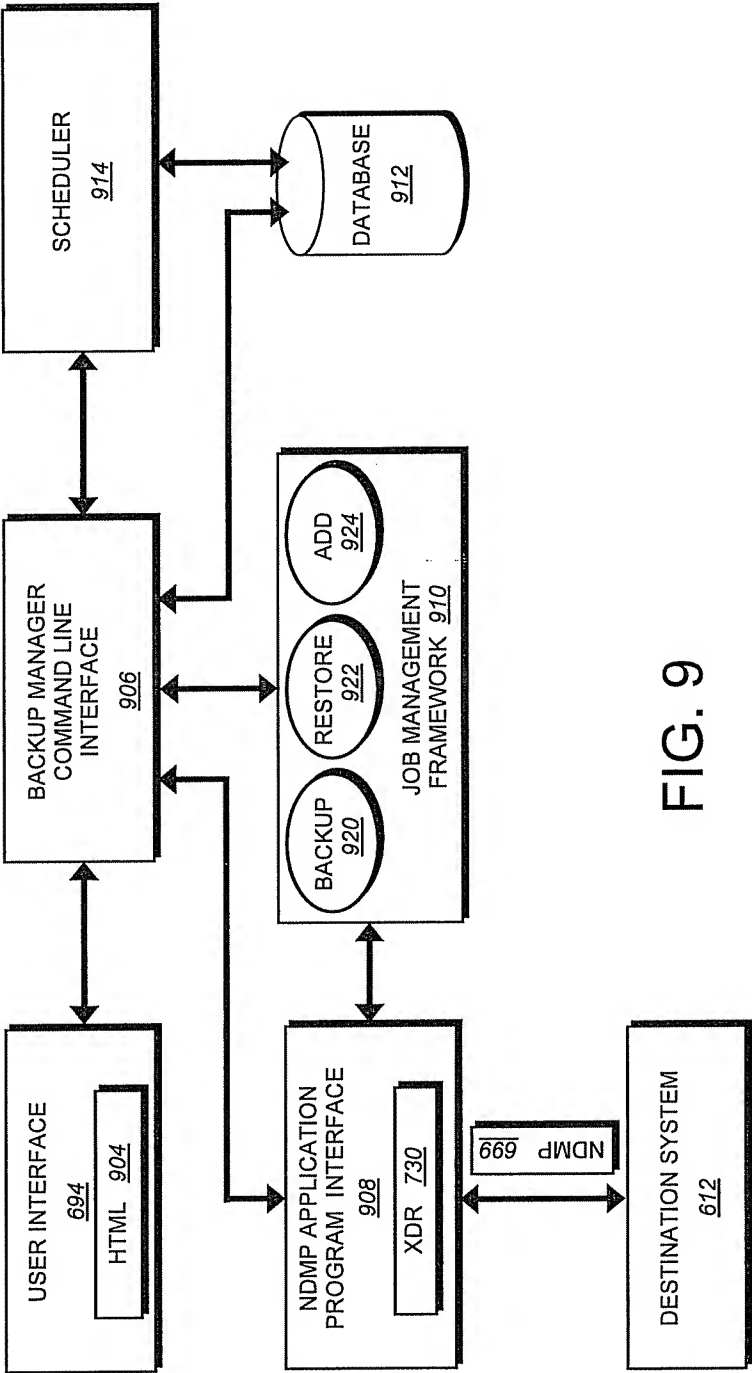


FIG. 9

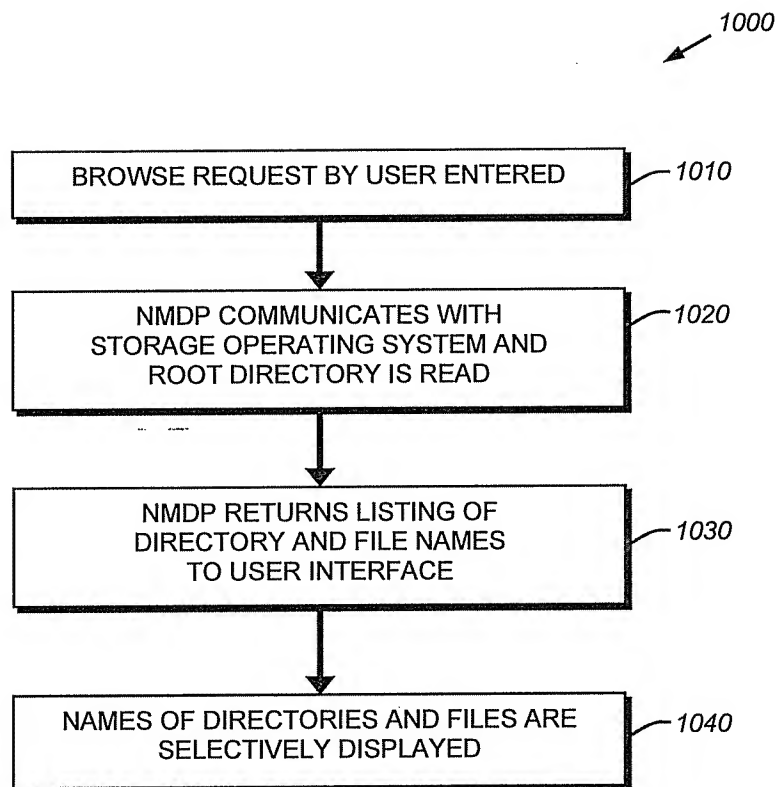


FIG. 10

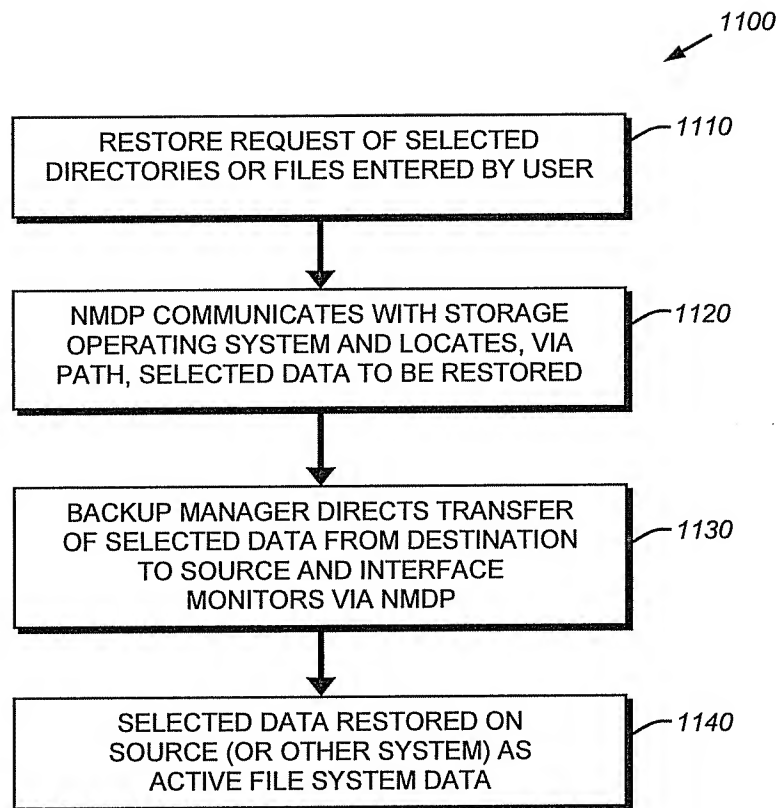


FIG. 11

1200

Primary Directories

Add a Primary Directory

Primary Directory filer1 ▼

Directory:
Examples: /vol/users/hackwort,
C:\User Data

Secondary Volume None ▼

Name: filer View: All Primary Directories ▼

Primary Directory ▼	Status	Secondary Volume	Backup Schedule	Browse Backups
filer1:/vol1/qt3	<u>Initializing</u>	bigdog:/vol1	<u>Remote Data Servers</u>	<u>browse</u>
filer1:/cores/cores	<u>Idle</u>	bigdog:/vol2	<u>Core Directories</u>	<u>browse</u>
filer1:/vol1/qt3	<u>Transferring</u>	bigdog:/vol1	<u>Remote Data Servers</u>	<u>browse</u>
filer1:/cores/cores	<u>Unconfigured</u>			
filer1:/vol1/qt3	<u>Idle</u>	bigdog:/vol1	<u>Remote Data Servers</u>	<u>browse</u>
filer1:/cores/cores	<u>Idle</u>	bigdog:/vol2	<u>Core Directories</u>	<u>browse</u>
filer1:/vol1/qt3	<u>Idle</u>	bigdog:/vol1	<u>Remote Data Servers</u>	<u>browse</u>

[Select All](#) [Unselect All](#)

No Secondary ▼

1230

FIG. 12

12/19

1300

1310

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1330

Browse Backups

Primary Directory

Primary Directory	filer1:/vol1/qt3
Secondary Volume	bigdog1:/backups

1340

1350

Backup Name ▼	Backup Time	Restore
dfm_sv_hourly.0	19 Sep 12:00	restore
dfm_sv_hourly.1	19 Sep 10:00	restore
dfm_sv_hourly.2	19 Sep 06:00	restore
dfm_sv_daily.0	19 Sep 02:00	restore
dfm_sv_hourly.3 ...	18 Sep 22:00	restore

FIG. 13

1400

1420

1430

1440

1410

Secondary Storage Systems

Add a New Secondary Storage System

Secondary System Name	<input type="text"/>
NDMP User Name	<input type="text"/>
NDMP Password	<input type="password"/>

Add

Name:

Secondary System ▼	Secondary Volumes	Edit
bigdog	bigdog:/vol0 bigdog:/vol1 bigdog:/vol3 ...	edit
bigdog2	bigdog2:/vol0	edit
bigdog3	bigdog3:/vol0 bigdog3:/sec1	edit

FIG. 14

1500

Edit Secondary Storage System

Secondary Storage System

Secondary System Name:

bigdog

NDMP User Name:

root

NDMP Password:

Update

1510
1520
1530

FIG. 15

1600

Secondary Volumes

Add a New Secondary Volume

Secondary System

bigdog1

Secondary Volume

example: /backups

Update

Name: bigdog

View: All Secondary Volumes

Secondary Volume	Backup Schedule	Status	Primaries	Browse Backups	Edit
bigdog:/vol1	Remote Data Servers	OK	filer1:/vol1/qt3 filer2:/vol1/qt4	browse	edit
bigdog:/vol2	Core Directories	OK	filer:/cores/cores	browse	edit
bigdog:/backups	Remote Data Servers	OK	filer2:/vol1/qt5 filer3:/vol1/qt6 More...	browse	edit

1610
1620
1640
1650
1660
1670
1680
1690
1630

FIG. 16

14/19

Edit Secondary Volume

Secondary Volume

Secondary Volume: bigdog:/vol1

Backup Schedule Name: Four Times a Day [Edit Schedules](#)

Retention Policy: Legal Data [Edit Policies](#)

Lag Warning Threshold: 4 hours

Lag Error Threshold: 8 hours

Delete Relationships

	Delete
filer1:/vol1/qt3	<input type="checkbox"/>
filer1:/vol1/qt4	<input type="checkbox"/>

Delete Relationship

Update

FIG. 17

Delete Relationship

DataFabric Backup Manager is preparing to stop backups for the following primary directories:

- filer1:/vol1/qt3
- filer1:/vol1/qt4

This will remove the associated qtrees from the active file system at bigdog:/vol1.

Is this OK?

OK **Cancel**

FIG. 18

15/19

Browse Backups			
Secondary Volume			
Secondary Volume	bigdog1:/backups		
Schedule	Remote Data Servers		
View By:			Backup Name
Backup Name	Status	Backup Time	Restore
dfm_sv_hourly.0	●	19 Sep 12:00	
filer1:/vol1/qt1	●	19 Sep 11:30	restore
filer2:/vol1/qt2	●	19 Sep 7:00	restore
solaris:/usr/data	●	19 Sep 12:00	restore
dfm_sv_hourly.1	●	19 Sep 10:00	
dfm_sv_hourly.2	●	19 Sep 06:00	
dfm_sv_daily.0	●	19 Sep 02:00	
dfm_sv_hourly.3	●	18 Sep 22:00	

FIG. 19

Browse Backups			
Secondary Volume			
Secondary Volume	bigdog1:/backups		
Schedule	Remote Data Servers		
View By:			Primary Directory
Primary Directory	Status	Backup Time	Restore
filer1:/vol1/qt1	●	19 Sep 11:30	
● dfm_sv_hourly.0	●	19 Sep 11:30	restore
● dfm_sv_hourly.1	●	19 Sep 08:30	restore
● dfm_sv_daily.0	●	18 Sep 22:00	restore
filer2:/vol1/qt2	●	19 Sep 10:00	
solaris:/usr/data	●	19 Sep 10:00	
solaris:/usr/cores	●	19 Sep 10:00	

FIG. 20

2120

2110

2130

2140

2100

Restore

Name:

View:

Primary Directory ▼	Secondary Volume	Leg	Status	Restore
filer1:/vol1/qt3	bigdog:/vol1	1.2 hours	Idle	restore
filer2:/vol1/qt4	bigdog:/vol2	2.1 hours	Idle	restore

2150

2160

FIG. 21

2200

Restore Wizard

Primary Directory filer1:/vol/qt3
Secondary Volume bigdog:/vol1

Step 1: Select a backup from which to restore

2210

☒ 16 Sep 16:00 (hourly)
☐ 16 Sep 08:00 (hourly)
☐ 15 Sep 11:00 (daily)

Cancel Next >>

FIG. 22

2300

Restore Wizard

Primary Directory	filer1:/vol/qt3
Secondary Volume	bigdog:/vol1
Backup	dfm_sv_hourly.0

Step 2: Select files to restore

Path :

2310

FIG. 23

2400

Restore Wizard

Primary Directory	filer1:/vol/qt3
Secondary Volume	bigdog:/vol1
Backup	dfm_sv_hourly.0
Files to Restore	<div style="border-left: 1px solid black; padding-left: 5px;">/a/b/c/file /a/b/directory/ /a/b/file2</div>

2430

2420

2410

Step 3: Select destination for restored data

Restore To:

FIG. 24

2500

Restore Wizard

Primary Directory filer1:/vol/qt3

Secondary Volume bigdog:/vol1

Backup dfm_sv_hourly.0

Files to Restore /a/b/c/file to filer1:/vol/qt3/a/b/c/file

 /a/b/directory/ to filer1:/vol/qt3/a/b/directory/

 /a/b/file2 to filer1:/vol/qt3/a/b/c/file2

2510

2520

FIG. 25

2600

Jobs				
View:		Time Period:		Refresh:
All Jobs		Today		Every minute
Job	Status	Start Time	Description	Status
<input type="checkbox"/> 13	●	11 Sep 14:45	Recover files from bigdog:/vol1/snapshot/sv daily.0 to filer1:/vol1/qt3	Done
<input type="checkbox"/> 12	?	11 Sep 13:32	Back up 3 primaries to bigdog:/vol1	In progress
<input type="checkbox"/> 11	?	11 Sep 9:45	Back up 15 primaries to bigdog:/vol1	In progress

2610 2620 2630 2640 2650

FIG. 26

2700

Back Up Now

NAME: 2710

Secondary Volume ▼	Status	Last Backup	Backup Schedule
bigdog:/vol1	<u>Initializing</u>	19 Sep 11:00	<u>Remote Data Servers</u>
<input type="checkbox"/> bigdog2:/vol2	<u>Idle</u>	18 Sep 11:00	<u>Core Directories</u>
<input type="checkbox"/> bigdog3:/backups	<u>Idle</u>	19 Sep 06:30	<u>Remote Data Servers</u>

2720 {

2730 {

FIG. 27

2800

Options

Default Thresholds

Lag Warning Threshold	<input type="text" value="4 hours"/> 2810
Lag Error Threshold	<input type="text" value="8 hours"/> 2820

FIG. 28